

**Amendment to the claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) A disk enclosure comprising:
  - a first controller powered by a first voltage circuit and coupled to a first bus;
  - a second controller powered by a second voltage circuit and coupled to a second bus;
  - and
  - a first switch coupled between the first bus and the second bus, the first switch operable to de-couple the first and the second buses when the voltage output from the second voltage circuit falls below a predetermined threshold.
2. (Currently amended) The ~~method~~ disk enclosure of claim 1, wherein the first bus is coupled to a first plurality of elements.
3. (Currently amended) The disk enclosure of claim 2, wherein the first plurality of elements includes at least one of a first temperature sensor, a first memory, and a first backplane controller.
4. (Original) The disk enclosure of claim 3, wherein the backplane controller is coupled to a port bypass circuit, the port bypass circuit operable to bypass a disk drive.
5. (Currently amended) The disk enclosure of claim [[2]] 3, wherein:
  - the first controller is coupled to a third bus;
  - the second controller is coupled to a fourth bus;
  - a second switch coupled between the third and the fourth buses, the second switch operable to de-couple the third and the fourth buses when the voltage output from the first voltage circuit falls below a predetermined threshold.
6. (Currently amended) The ~~method~~ disk enclosure of claim 5, wherein the fourth bus is coupled to a second plurality of elements.

7. (Currently amended) The disk enclosure of claim 6, wherein the second plurality of elements includes at least one of a second temperature sensor, a second memory, and a second backplane controller.

8. (Currently amended) The disk enclosure of claim 7, wherein the second backplane controller is coupled to a port bypass circuit, the port bypass circuit operable to bypass a disk drive.

9. (Currently amended) The disk enclosure of claim [[6]] 7, wherein:

the first controller is coupled to a fifth bus;

the second controller is further coupled to a sixth bus;

a third switch coupled between the fifth bus and a seventh bus, the third switch operable to de-couple the fifth and the seventh buses when the voltage output from the first voltage circuit falls below a predetermined threshold; and

a fourth switch coupled between the sixth bus and the seventh bus, the fourth switch operable to de-couple the sixth and seventh buses when the voltage output from the second voltage circuit falls below a predetermined threshold.

10. (Original) The disk enclosure of claim 9, wherein the seventh bus is further coupled to a third plurality of elements.

11. (Currently amended) The disk enclosure of claim 10, wherein the third plurality of elements includes at least one of a third temperature sensor, a third memory, a third backplane controller, and an I/O expander.

12. (Original) The disk enclosure of claim 11, wherein the I/O expander is coupled to at least one battery.

13. (Original) The disk enclosure of claim 11, wherein the I/O expander is coupled to at least one power supply.

14. (Original) A disk enclosure comprising:

a first controller powered by a first voltage circuit and coupled to a first bus;

a second controller powered by a second voltage circuit and coupled to a second bus;

a first switch coupled between the first bus and a third bus, the first switch operable to de-couple the first and the third buses when the voltage output from the first voltage circuit falls below a predetermined threshold; and

a second switch coupled between the second bus and the third bus, the second switch operable to de-couple the second and the third buses when the voltage output from the first voltage circuit falls below a predetermined threshold.

15. (Currently amended) The disk enclosure of Claim claim 14, wherein the third bus is coupled to a first plurality of elements.

16. (Original) The disk enclosure of claim 15, wherein the first plurality of elements includes at least one of a temperature sensor, a memory, a backplane controller, and an I/O expander.

17. (Original) The disk enclosure of claim 16, wherein the I/O expander is coupled to at least one battery.

18. (Original) The disk enclosure of claim 16, wherein the I/O expander is coupled to at least one power supply.

19. (Original) The disk enclosure of claim 15, wherein:

the first controller is coupled to a fourth bus;

the second controller is coupled to a fifth bus; and

a third switch coupled between the fourth and the fifth buses, the third switch operable to de-couple the fourth and the fifth buses when the voltage output from the second voltage circuit falls below a predetermined threshold.

20. (Original) The disk enclosure of claim 19, wherein the fourth bus is coupled to a second plurality of elements.

21. (Original) The disk enclosure of claim 20, wherein the second plurality of elements includes at least one of a temperature sensor, a memory, and a backplane controller.

22. (Original) The disk enclosure of claim 21, wherein the backplane controller is coupled to a port bypass circuit, the port bypass circuit operable to bypass a disk drive.

23. (Currently amended) The disk enclosure of claim 20, wherein:

the first controller is coupled to a sixth bus;

the second controller is coupled to a seventh bus; and

a ~~third~~ fourth switch coupled between the sixth and the seventh buses, the ~~third~~ fourth switch operable to de-couple the sixth and seventh buses when the voltage output from the first voltage circuit falls below a predetermined threshold.

24. (Original) The disk enclosure of claim 23, wherein the seventh bus is coupled to a third plurality of elements.

25. (Original) The disk enclosure of claim 24, wherein the third plurality of elements includes at least one of a temperature sensor, a memory, and a backplane controller.

26. (Original) The disk enclosure of claim 25, wherein the backplane controller is coupled to a port bypass circuit, the port bypass circuit operable to bypass a disk drive.